

Human Aromatic-L-Amino-Acid Decarboxylase, DDC ELISA Kit | DDC elisa kit

Human Aromatic-L-Amino-Acid Decarboxylase, DDC Primacu ELISA Kit

CATALOG #
AAA124100

REACTIVITY
Human

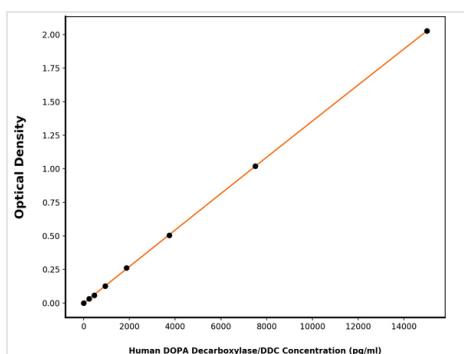
PRODUCT SYNONYMS

Aromatic-L-Amino-Acid Decarboxylase; DDC; Human Aromatic-L-Amino-Acid Decarboxylase; DDC Primacu ELISA Kit; Aromatic-L-amino-acid decarboxylase; DOPA Decarboxylase; AADC; DDC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	234.4-15000pg/mL
Sensitivity	101.47pg/mL
Standard Solution	100ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for DDC elisa kit

Dopa Decarboxylase (DDC), also known as AADC and Aromatic-L-amino acid decarboxylase, is a 54 kDa member of the group II decarboxylase family of proteins. It is a vitamin B6-dependent homodimeric enzyme that catalyzes the decarboxylation of both L-3, 4-dihydroxyphenylalanine (L-DOPA) and L-5-hydroxytryptophan to dopamine and serotonin, respectively, which are major mammalian neurotransmitters and hormones belonging to catecholamines and indoleamines. Since L-DOPA is regularly used to treat the symptoms of Parkinson's disease, the catalytic pathway is of particular research interest. Defects of DDC are associated with severe developmental delay, oculogyric crises (OGC), as well as autosomal recessive disorder AADC deficiency, an early onset inborn error in neurotransmitter metabolism which can lead to catecholamine and serotonin deficiency.

Product Categories/Family for DDC
elisa kit

Primacu ELISA Kit; Neuroscience; Cancer; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033369
NCBI GeneID	1644
UniProt Accession #	P20711; Q16723; Q5W5T9; Q75MJ6; C9IYA0; E7ER62; E7EU95
Molecular Weight	480
NCBI Official Full Name	Aromatic-L-amino-acid decarboxylase
NCBI Official Synonym Full Names	dopa decarboxylase (aromatic L-amino acid decarboxylase)
NCBI Official Symbol	DDC
NCBI Official Synonym Symbols	AADC
NCBI Protein Information	aromatic-L-amino-acid decarboxylase
UniProt Protein Name	Aromatic-L-amino-acid decarboxylase
UniProt Gene Name	DDC
UniProt Synonym Gene Names	AADC; AADC; DDC
UniProt Entry Name	DDC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/aromatic-l-amino-acid-decarboxylase-ddc/124100>